

05/26/99



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PATENT

Docket No. D-362

Commissioner of Patents and Trademarks
Washington, D.C. 20231

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of
Inventor(s): Philip A. Dafesh and Tien M. Nguyen

For (title): Quadrature Product Subcarrier Modulation Method

1. Type of Application

This new application is an ORIGINAL application.

2. Benefit of Prior U.S. Application(s) (35 USC 120) - None

CERTIFICATION UNDER 37 CFR 1.10

I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the United States Postal Service on this date May 26, 1999 in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number EE257872748US addressed to the: Commissioner of Patents and Trademarks, Washington, D.C. 20231

Carole A. Mulchinski

(Type or print name of person mailing paper)

Carole A. Mulchinski

(Signature of person mailing paper)



3. **Papers Enclosed Which Are Required for Filing Date Under 37 CFR 1.53(b) (Regular) or 37 CFR 1.153 (Design) Application**

40 Pages of specification
15 Pages of claims
1 Pages of Abstract
3 Sheets of drawing

☐ informal

☐ in triplicate

4. **Additional papers enclosed**

☒ Petition and Declaration under 37 CFR 1.47.

☐ Information Disclosure Statement

☐ Form PTO-1449

☒ Small Entity Statement

5. **Declaration or oath executed by INVENTOR(S)**

☒ Enclosed

6. **Inventorship Statement**

The inventorship for all the claims in this application is THE SAME.

7. **Language:** ENGLISH

8. **Assignment**

☒ An assignment of the invention to The Aerospace Corporation
P. O. Box 92957 (M1/040), Los Angeles, CA 90009-2957

☒ is attached

☐ will follow

9. **Certified Copy**

attached Certified copy(ies) of application(s) X are not applicable are will follow.

Questions **A**re **A**ll **A**round **A**nd **A**round **A**gain

Filing Fee Calculation

1. Small Entity Statement(s)

X Verified Statement(s) that this is a filing by a small entity under 37 CFR 1.9 and 1.27 is(are) attached.

\$380.00

☐ No filing fee is to be paid at this time. (This and the surcharge required by 37 CFR 1.16(e) can be paid subsequently.)

<u>/X/</u> Basic filing fee	\$ <u>380.00</u>
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☒ Recording assignment (\$40.00; 37 CFR 1.21(h)(1)) \$ 40.00

Total fees enclosed **\$ 420.00**

(Application Transmittal [4-1]--page 3 of 4)

13. **Method of Payment of Fees**

☒ charge Account No. 01-0428 in the amount of \$ 420.00.
A duplicate of this transmittal is attached.

14. **Authorization to Charge Additional Fees**

☒ The Commissioner is hereby authorized to charge the following additional fees by this paper and during the entire pendency of this application to Account No. 01-0428.

☒ 37 CFR 1.16 (filing fees)

☒ 37 CFR 1.16 (presentation of extra claims)

☒ 37 CFR 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application)

☒ 37 CFR 1.17 (application processing fees)

☒ 37 CFR 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 CFR 1.311(b)).

15. **Instructions As To Overpayment**

☒ credit Account No. 01-0428.

Reg. No.: 32,096

Tel. No. (310) 336-6708



Signature of Attorney

Derrick Michael Reid
Type or print name of attorney

THE AEROSPACE CORPORATION
P.O. Box 92957 (M1/040)
Los Angeles, CA 90009-2957

☒ This transmittal ends with this page.

(Application Transmittal [4-1]--page 4 of 4)

Derrick Michael Reid, Esq.
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jc594 U.S. PTO
09/318560
05/25/99

In the United States Patent Office
Before the Assistant Commissioner of Patents

Inventors: Philip A. Dafesh)	
Tien M. Nguyen)	
)	Petition to File Patent
Title: Quadrature Product)	Application under 37 CFR 1.47
Subcarrier Modulation)	on Behalf of Inventor
System)	
)	
)	
Docket No. D-362)	
)	

Assistant Commissioner of Patents
Washington, DC 20231

Petition

Co-Inventor Philip A. Dafesh and the Assignee, The Aerospace Corporation, hereby petition the Commissioner to file the above referenced patent application under 37 CFR 1.47 in the name of the assignee on behalf of the co-inventor Tien M. Nguyen.

The commissioner is authorized to charge account No. 01-0428 for the petition fee under 1.17(h).

The co-inventor Philip A. Dafesh, on behalf of the co-inventor, Tien M. Nguyen and Assignee, The Aerospace Corporation, supports this petition with the herein declaration of co-inventor Philip A. Dafesh.

Date: 5-26 1999

Derrick Michael Reid
Derrick Michael Reid